Title: Superjunction Device Having Oxide Lined Trenches and Method for Manufacturing ... Trenches

Inventor: Samuel Anderson Customer No.: 570
Atty. Docket No.: 681443-1U1

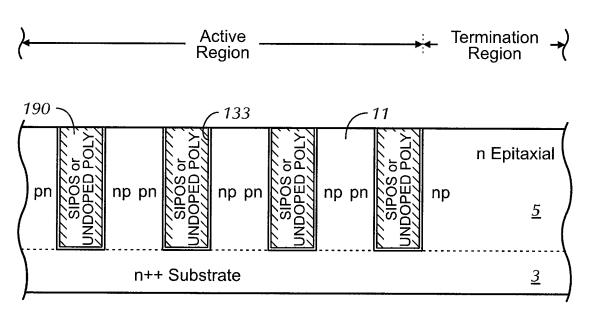
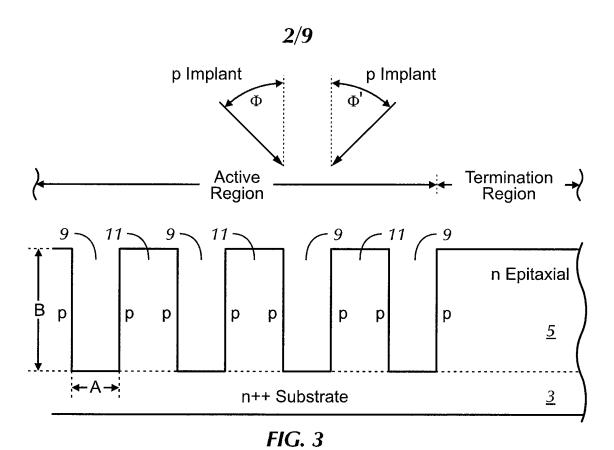


FIG. 1

Epitaxy	
n Epitaxial	<u>5</u>
n++ Substrate	<u>3</u>

FIG. 2



n Implant n Implant Active Region Termination Region n Epitaxial В np pn np pn <u>5</u> pn np pn np **←**A→ n++ Substrate <u>3</u>

FIG. 4

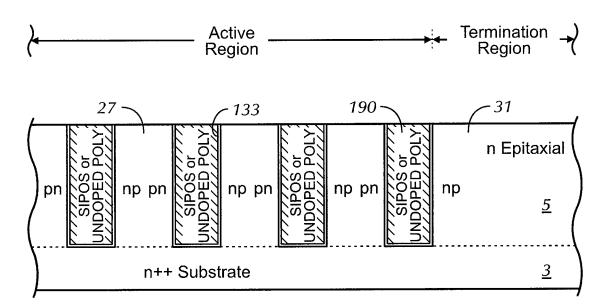


FIG. 5

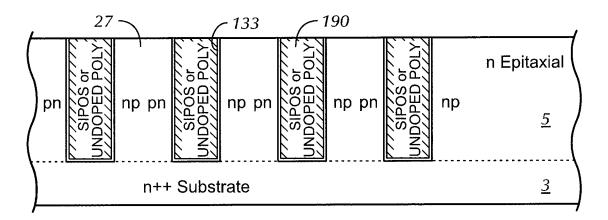


FIG. 6

Title: Superjunction Device Having Oxide Lined Trenches and Method for Manufacturing ... Trenches Inventor: Samuel Anderson Customer No.: 570

Atty. Docket No.: 681443-1U1

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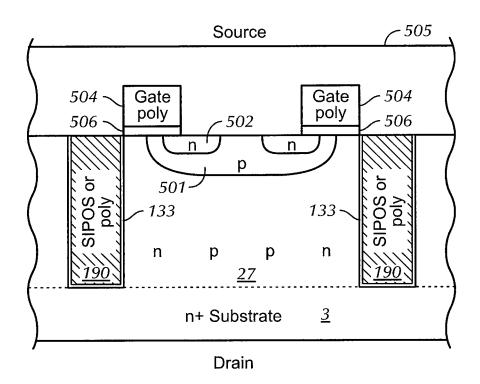


FIG. 7

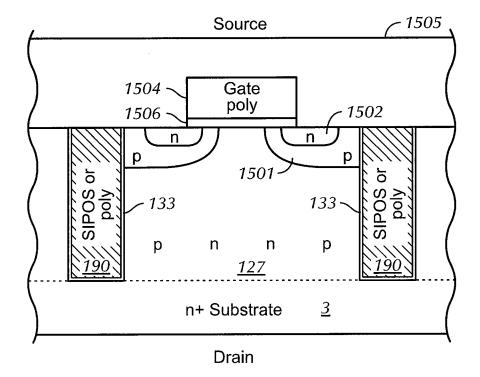


FIG. 8

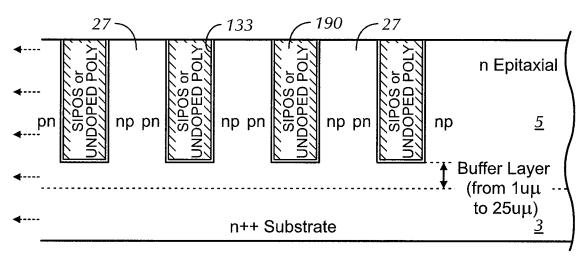


FIG. 9

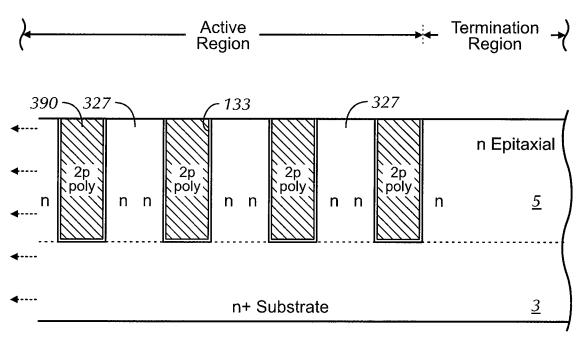


FIG. 10

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Epitaxy

n Epitaxial <u>5</u> <u>3</u> n++ Substrate

FIG. 11

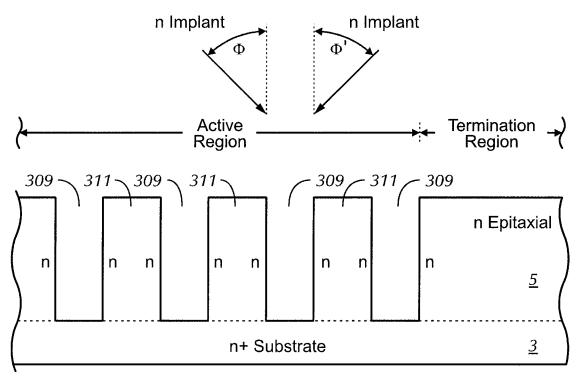


FIG. 12

Title: Superjunction Device Having Oxide Lined Trenches

and Method for Manufacturing ... Trenches

Inventor: Samuel Anderson Customer No.: 570

Atty. Docket No.: 681443-1U1

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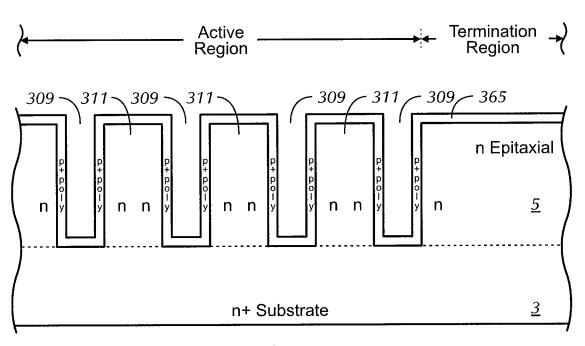


FIG. 13

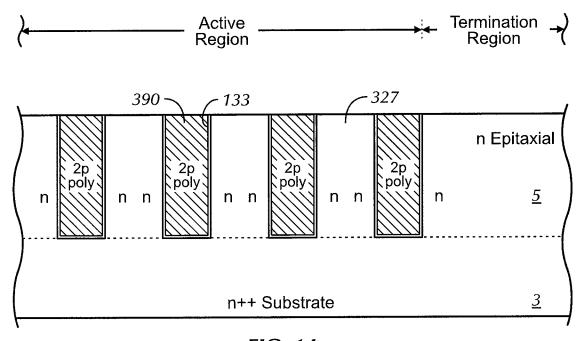


FIG. 14

Title: Superjunction Device Having Oxide Lined Trenches

and Method for Manufacturing ... Trenches

Inventor: Samuel Anderson Customer No.: 570 Atty. Docket No.: 681443-1U1

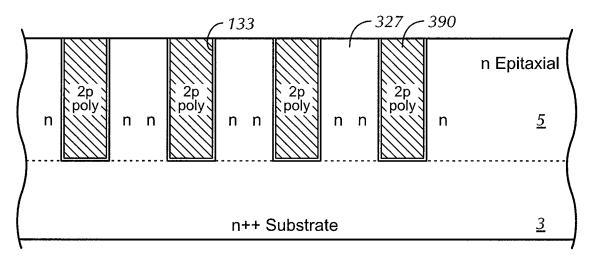


FIG. 15

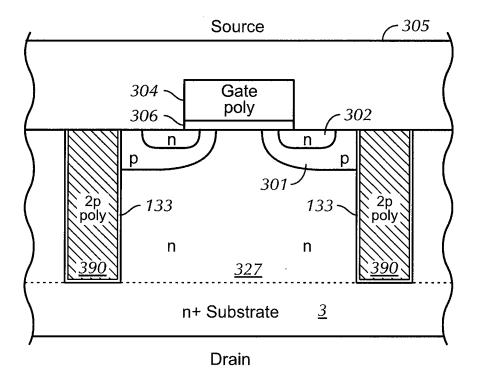


FIG. 16

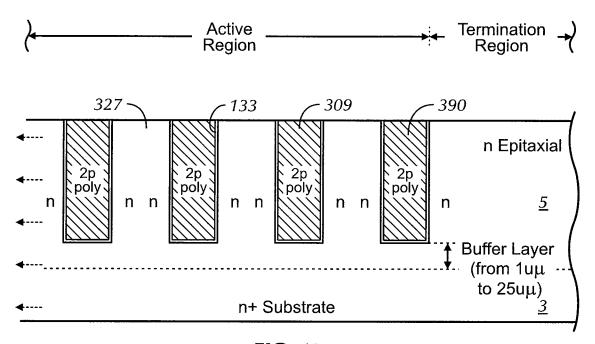


FIG. 17